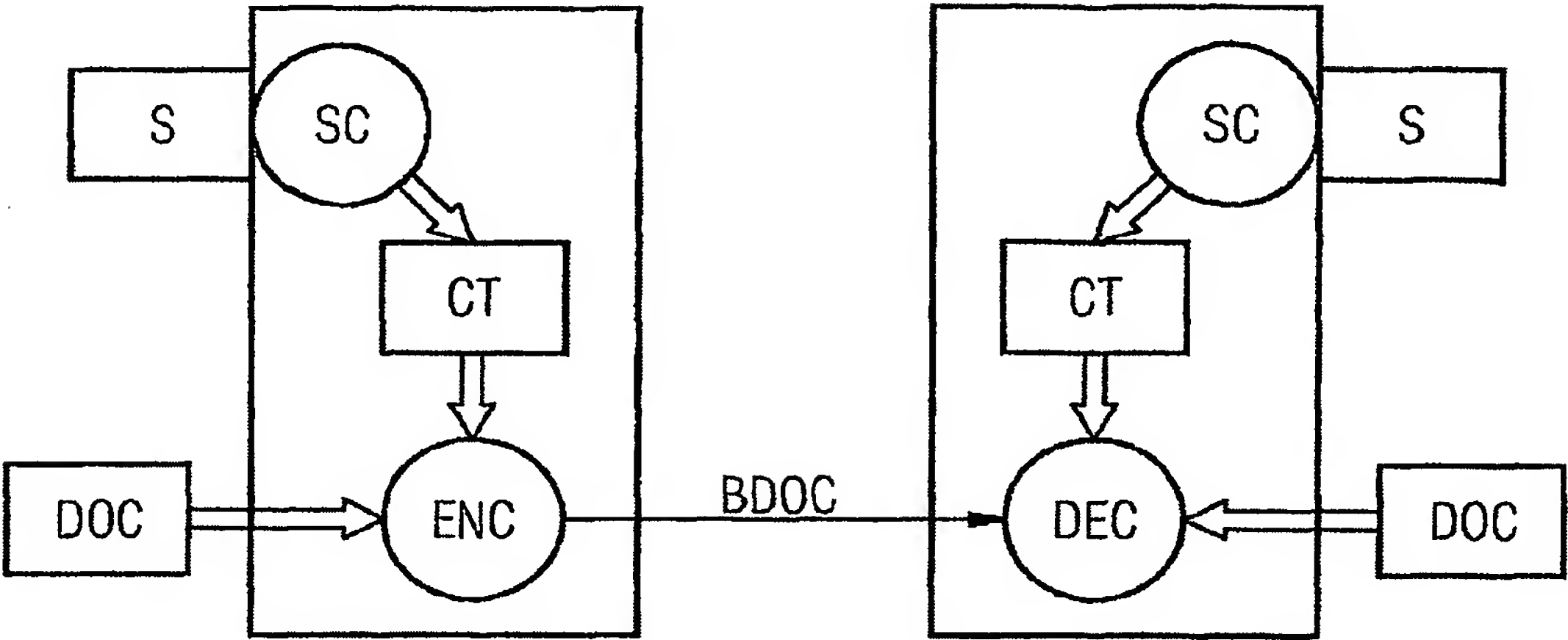FIG 1

FIG 2

FIG 2A
FIG 2B

FIG 2A

```
?xml version="1.0" encoding="ISO-8859-1"?>
<schema targetNamespace="urn:siemens:SchemaA"
xmlns:a="urn:mySchema:SchemaA"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
     <complexType name="Node1">
          <sequence>
               <element name="name" type="xs:string"/>
               <element name="value" type="xs:integer"/>
          </sequence>
     </complexType>
     </complexType name="myFirstType">
          <complexContent>
               <extension base="a:Node1">
                    <sequence>
                         <element name="state" type="xs:string"/>
                    </sequence>
               </extension>
          </complexContent>
     </complexType>
     <complexType name="mySecondType">
          <complexContent>
               <extension base="a:myFirstType">
                    <sequence>
                         <element name="id" type="xs:ID"/>
                    </sequence>
               </extension>
          </complexContent>
     </complexType>
</schema>
<?xml version="1.0" encoding="ISO-8859-1"?>
<schema targetNamespace="urn: mySchema:SchemaX"
xmlns:x="urn:mySchema:SchemaX"
xmlns:a="urn:mySchema:SchemaA"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
<import namespace="urn: mySchema:SchemaA"
  SchemaLocation="./TreeExample:nsA.xsd"/>
```

FIG 2B

```
<complexType name="tType">
    <sequence>
        <element name="name" type="xs:string"/>
        <element name="value" type="xs:integer"/>
    </sequence>
</complexType>
<complexType name="iType">
    <complexContent>
        <extension base="a:Node1">
            <sequence>
                <element name="state" type="xs:string"/>
            </sequence>
        </extension>
    </complexContent>
</complexType>
<complexType name="sType">
    <complexContent>
        <extension base="a:Node1">
            <sequence>
                <element name="id" type="xs:ID"/>
            </sequence>
        </extension>
    </complexContent>
</complexType>
</complexType name="nType">
    <complexContent>
        <extension base="x:sType">
            <sequence>
                <element name="price" type="xs:float"/>
            </sequence>
        </extension>
    </complexContent>
</complexType>
</schema>
```
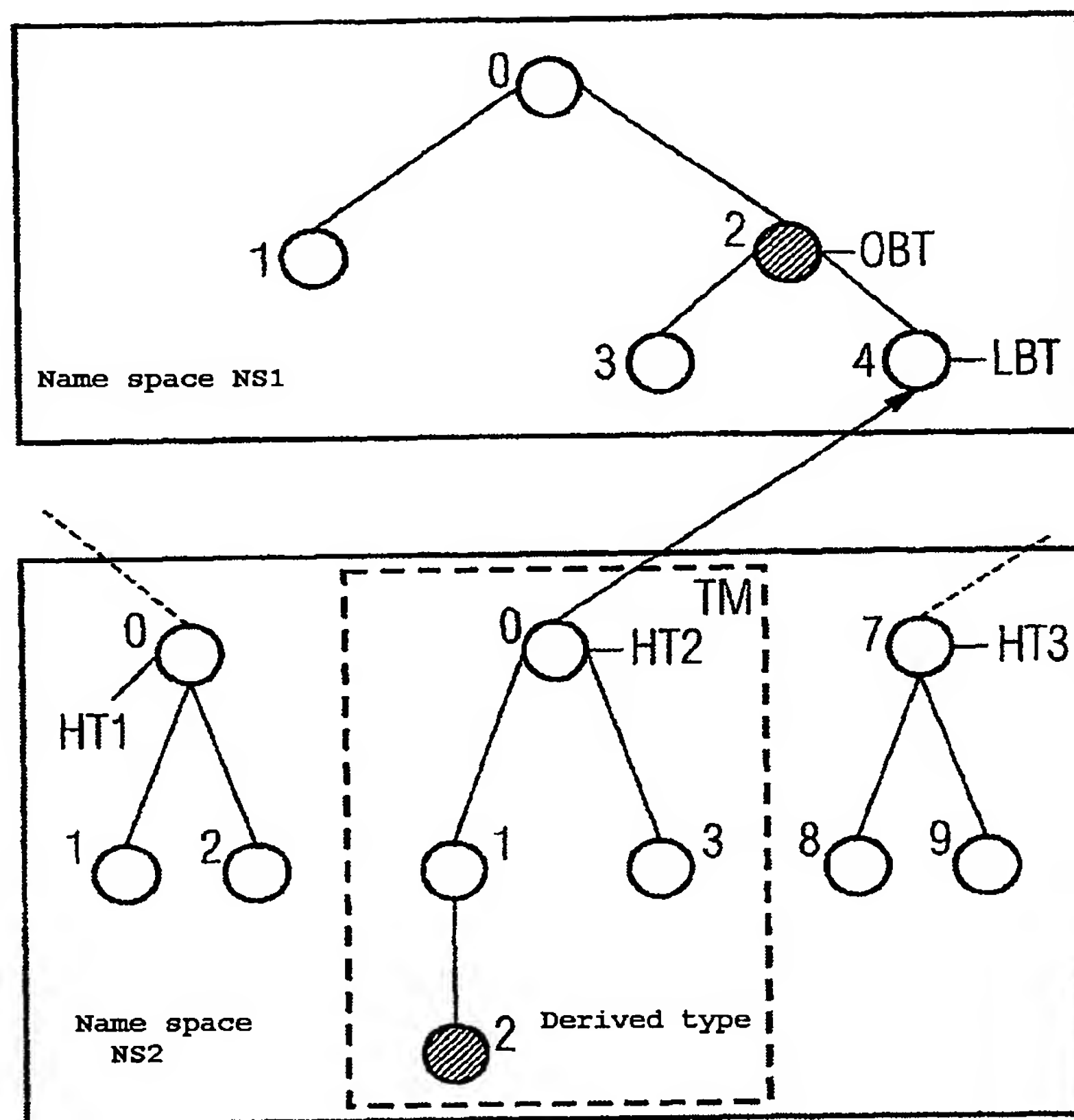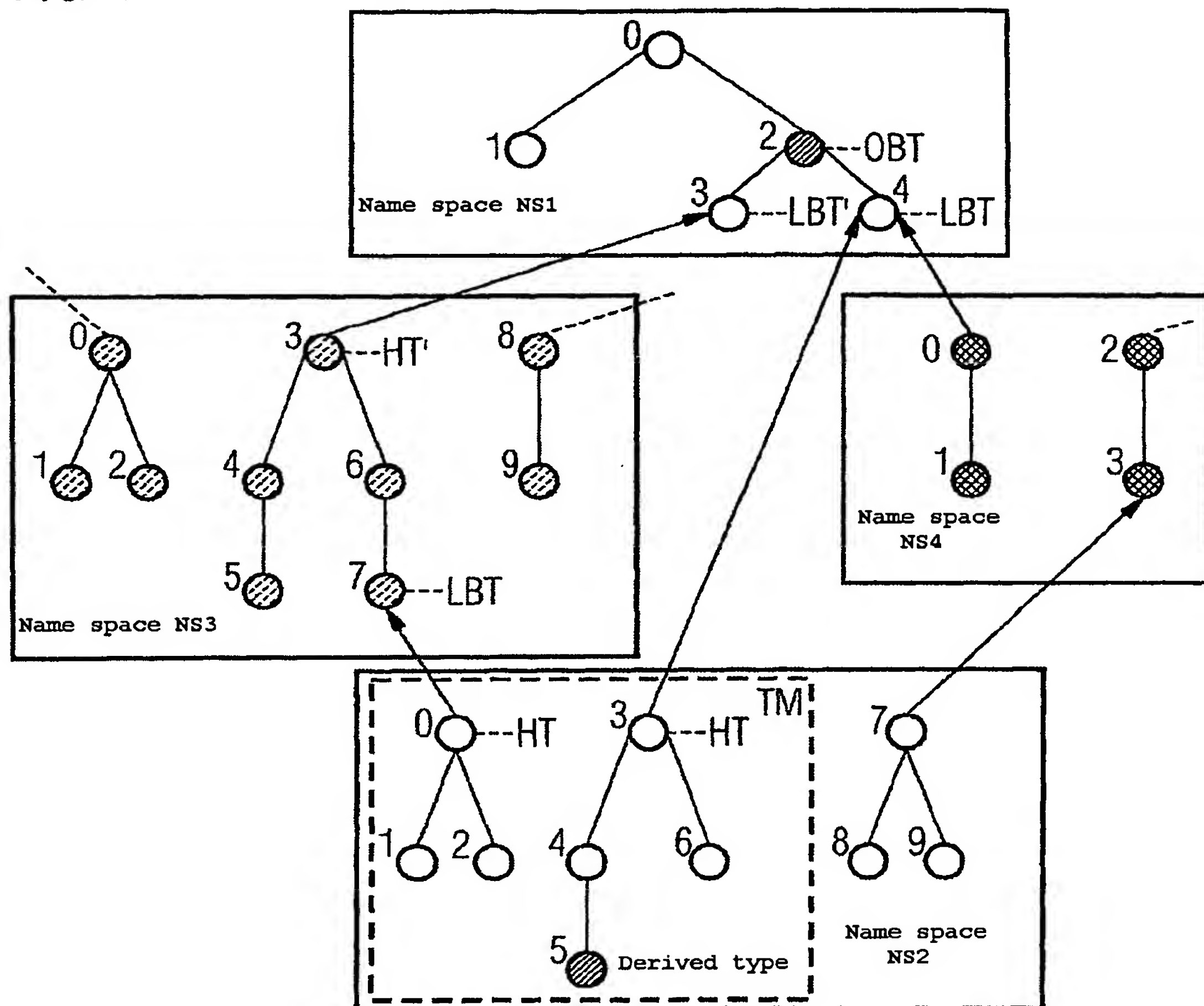
FIG 3

FIG 4

FIG 5